

INTERNATIONAL SEARCH REPORT

Int Application No
PCT/GB2004/003139

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G01N33/68 G01N33/533 C07K1/13 C09B23/00 C07D311/82

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01N C07K C07D C09B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, EMBASE, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>US 2002/182651 A1 (PATRICELLI MATTHEW) 5 December 2002 (2002-12-05)</p> <p>paragraphs '0009! - '0016! paragraphs '0023! - '0026! paragraphs '0042! - '0051! paragraphs '0056! - '0065! paragraphs '0074! - '0084! paragraphs '0088! - '0097! paragraphs '0102! - '0106! claims 1-3,5,17-19,21-25,27,28,33-36,39,40</p> <p>----- -/--</p>	<p>1-3,5-7, 10,12, 14,17, 28,29</p>

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

15 Apr 11 2005

Date of mailing of the international search report

29.04.05

Name and mailing address of the ISA

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Int'l Application No
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>WO 02/42427 A (SURROMED INC) 30 May 2002 (2002-05-30)</p> <p>page 4, last paragraph - page 5, paragraph 1 page 6, paragraph 3 - page 7, paragraph 1 page 8, paragraph 3 page 17, paragraph 2 - page 18, paragraph 1 claims 1,8,12,17,18,23; figures 3,4</p>	<p>1,2,5, 10,12, 17,28-31</p>
X	<p>WO 02/099435 A (XZILLION GMBH & CO KG ; HAMON CHRISTIAN (DE); NEUMANN THOMAS (DE); MOH) 12 December 2002 (2002-12-12)</p> <p>page 8, paragraph 2 page 9, last paragraph - page 13, paragraph 3 page 14, paragraph 4 - page 15, paragraph 4 page 27, paragraph 2 - page 29, last paragraph page 31, paragraph 2 page 38, last paragraph - page 39, paragraph 1 page 40, paragraph 2 - page 41, paragraph 1 page 45, paragraph 2 - page 47, paragraph 1 claim 21</p>	<p>1,3-10, 12, 14-27, 30,31</p>
X	<p>WO 03/005026 A (AMERSHAM BIOSCIENCES UK LTD ; OSBORN NIGEL JOHN (GB); SWEET ALISON CLA) 16 January 2003 (2003-01-16) page 5, line 21 - page 6, line 6 page 9, line 3 - page 10, line 13 page 16, lines 10-27 page 17, line 30 - page 19, line 10 page 20, lines 19-25 claims 1,10,21,22; figure 2</p>	<p>1-3,5,7, 10,14,17</p>
A	<p>AEBERSOLD R ET AL: "Mass spectrometry in proteomics." CHEMICAL REVIEWS. FEB 2001, vol. 101, no. 2, February 2001 (2001-02), pages 269-295, XP002309029 ISSN: 0009-2665 the whole document</p>	<p>1-31, 50-53</p>

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Int: al Application No

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JUNGBLUT P ET AL: "PROTEIN IDENTIFICATION FROM 2-DE GELS BY MALDI MASS SPECTROMETRY" MASS SPECTROMETRY REVIEWS, JOHN WILEY AND SONS, NEW YORK, NY, US, vol. 16, 1997, pages 145-162, XP001023942 ISSN: 0277-7037 the whole document	1-31, 50-53
A	MUJUMDAR R B ET AL: "CYANINE DYE LABELING REAGENTS: SULFOINDOCYANINE SUCCINIMIDYL ESTERS" BIOCONJUGATE CHEMISTRY, AMERICAN CHEMICAL SOCIETY, WASHINGTON, US, vol. 4, no. 2, 1 March 1993 (1993-03-01), pages 105-111, XP000654181 ISSN: 1043-1802 the whole document	1-31, 50-53
X	US 2003/077595 A1 (VAN NESS JEFFREY ET AL) 24 April 2003 (2003-04-24) paragraphs '0033!, '0034! Structure (11) on top of page 4 paragraphs '0041! - '0048! paragraphs '0116!, '0117! paragraphs '0165! - '0169! paragraph '0185! paragraphs '0191! - '0200!	32, 33, 38, 39, 42, 49
X	WO 00/02895 A (BRAX GROUP LIMITED; SCHMIDT, GUENTER; THOMPSON, ANDREW, HUGIN; JOHNSTO) 20 January 2000 (2000-01-20) page 3, paragraph 3 - last paragraph page 5, paragraph 3 page 8, last paragraph - page 12, paragraph 4 page 19, paragraphs 1, 2 claims 1, 2, 4, 5, 14, 15; figure 1	32, 33, 39, 42, 49
A	US 5 512 667 A (REED ET AL) 30 April 1996 (1996-04-30) the whole document	32-49

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International application No.
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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

see additional sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☒ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-31,50-53

Method relating to the coupling of a fluorographic detection method with MALDI mass spectrometry for the characterization of analytes in a peptide mixture, as well as a kit suitable in the said method.

2. claims: 32-49

Labelled analyte compound

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In **national Application No**
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